

TABLE S1: Execution Time of SciClone (Variational Bayes) and PyClone (MCMC)

Data Set	SciClone	PyClone		
	Elapsed Time (sec) <sup>a</sup>	Iterations	Burn-in	Elapsed Time (sec) <sup>a,b</sup>
MM <sup>c</sup> (Fig. 1)	137.439 (20.053)	20,000	2,000	4,048.451 (207.430)
AML <sup>d</sup> (Fig. 3)	49.837 (2.867)	20,000	2,000	14,267.76 (303.021)
BRC <sup>c</sup> (Fig. 5)	158.856 (9.946)	22,000	2,200	2,265.293 (68.893)

<sup>a</sup>Mean elapsed time across ten runs. Standard deviation in parentheses.

<sup>b</sup>Elapsed times include analysis (`PyClone analyze`) and clustering (`PyClone cluster`).

<sup>c</sup>Analysis restricted to variants in copy-number neutral regions.

<sup>d</sup>All variants are in copy-number neutral regions.